



1645
JUN

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

		Application Number	09/833,017	
		Filing Date	April 10, 2001	
		First Named Inventor	Dennis Cvitkovitch	
		Art Unit	1645	
		Examiner Name	Padmavathi Baskar	
Total Number of Pages in This Submission		Attorney Docket Number		1889-00401

ENCLOSURES (check all that apply)

<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input checked="" type="checkbox"/> Declaration – Dr. Dennis Cvitkovitch <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s)	<input type="checkbox"/> After Allowance Communication to Group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input checked="" type="checkbox"/> Other Enclosure(s) (please identify below): <input type="checkbox"/> Postcard
--	--	--

Remarks *Declaration Attachments:*

- (1) Computational Differences between GbpC and CSP, NCBI database (<http://www.ncbi.nlm.nih.gov>) search results as of September 11, 2003
- (2) BlastP Analysis of the CSP peptide against the whole *S. Mutans* UA159 Protein Database, posted date June 2, 2004
- (3) Yutaka Sato et al., Cloning and Sequence Analysis of the gbpC Gene Encoding a Novel Glucan-Binding Protein of *Streptococcus mutans*, INFECTION AND IMMUNITY, Feb. 1997, p. 668-675
- (4) K. Nakano et al., Attenuation of Glucan-binding Protein C Reduces the Cariogenicity of *Streptococcus mutans*: Analysis of Strains Isolated from Human Blood, J DENT RES, 2002, 81(6): 376-379

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

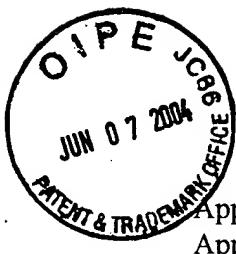
Firm Or Individual Name	Carol G. Mintz		
Signature			
Date	June 4, 2004		

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Typed or Printed Name	Fran Hampton		
Signature		Date	June 4, 2004

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P. O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents. P. O. Box 1450. Alexandria. VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : 09/833,017
Applicants : Dennis Cvitkovitch et al.
Filed : April 10, 2001
For : Signal Peptides, Nucleic Acid Molecules and
Methods for Treatment of Caries
TC/A.U. : 1645
Examiner : Padmavathi Baskar

Confirmation No. 8365

Atty. Dkt. No.: 1889-00401
Date: June 4, 2004

AMENDMENT AND RESPONSE TO OFFICE ACTION DATED MARCH 4, 2004

Mail Stop AMENDMENT
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Please amend the above-identified application as follows:

Amendments to the Claims are reflected in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 4 of this paper.